

CLAIMS

1. A method for maintaining a device job history, the method comprising:

sending jobs to a device for performance;

5 making a record of the jobs;

maintaining the job record after the performance of the job;

and,

filtering the job record to retain a history associated with a client.

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2. The method of claim 1 wherein maintaining the job record includes maintaining the job record selected from the group including the device performing the job, managing jobs sent to the device, and the client sending the job.

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3. The method of claim 2 wherein maintaining the job record includes maintaining the job record at the client and additionally includes the client monitoring processes selected from the group including the device status, job status, and communications to the device.

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4. The method of claim 2 further comprising:
viewing the filtered job record.

5. The method of claim 4 wherein viewing the filtered job
25 record includes accessing a viewable copy of the filtered job record
obtained from a node selected from the group including the client sending

the job, the server managing the device jobs, and a web page associated with the device.

6. The method of claim 2 wherein maintaining the job
5 record includes maintaining the record on the device performing the job;
and,

the method further comprising:
downloading the job record from the device, to the client.

10 7. The method of claim 4 further comprising:
interrupting a job with an action selected from the group
including canceling a job, continuing a job, and modifying a job.

8. The method of claim 4 wherein sending jobs to a device
15 for performance include sending jobs along with a network address
associated with the client sending the jobs;
wherein maintaining the job record after the performance of
the job includes maintaining the job record on the device performing the
job; and,

20 wherein filtering the job record to retain a history associated
with a client includes matching the client network address to jobs having
the same network address.

9. The method of claim 8 wherein sending jobs along with
25 a network address includes using a network address selected from the
group including a network address embedded in transport layer

transmission packets and a network address embedded with the job in data layer communications.

10. The method of claim 8 wherein sending jobs along with
5 a network address includes using the client's Internet Protocol (IP) address.

11. The method of claim 8 wherein viewing the filtered job record includes:

10 making an HTTP request, by the client, to a web page associated with the device; and,
sending a record of filtered jobs from the device, to the web page.

15 12. The method of claim 6 wherein sending jobs to a device for performance include sending jobs along with a network address associated with the client sending the jobs;

wherein maintaining the job record after the performance of the job includes maintaining the job record on the device performing the
20 job;

wherein filtering the job record to retain a history associated with a client includes matching the client network address to jobs having the same network address.

25 13. The method of claim 12 further comprising:
merging device communications with the filtered job record.

14. The method of claim 12 further comprising:
merging client communications with the filtered job record.

5 15. The method of claim 3 wherein sending jobs to a device
for performance includes sending image processing jobs to an imaging
device selected from the group including printers, copiers, fax machines,
multifunctional peripheral (MFP) devices, scanners, electronic
whiteboards, and document servers.

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16. The method of claim 15 wherein maintaining the job
record by a client monitoring processes selected from the group including
the device status, job status, and communications to the device includes:
monitoring the status of job raster image processing (RIP);
15 monitoring the status of jobs queued on the image processing
device;
 monitoring the status of jobs after they have been despoled
from a node selected from the group including local and network spoolers;
 monitoring the status of jobs that have been completed by
20 the imaging device; and,
 monitoring the status of jobs spooled at a node selected from
the group including local and network spoolers.

17. The method of claim 16 further comprising:

interrupting an image processing job with a action selected from the group including canceling a job, continuing a job, and modifying a job; and,

wherein monitoring processes selected from the group
5 including the device status, job status, and communications to the imaging device includes monitoring the status of the interrupted job.

18. The method of claim 6 wherein downloading the job record from the device, to the client, includes downloading a filtered job
10 record.

19. The method of claim 6 wherein downloading the job record from the device, to the client, includes downloading an unfiltered job record; and,

15 wherein filtering the job record to retain a history associated with a client includes filtering the job record downloaded to the client.

20. A system for selectively maintaining a device job history, the system comprising:

20 a client having an interface for sending jobs;
a device having an interface to accept jobs, the device performing the jobs for the client; and,
a repository having an interface to accept a record of the jobs performed by the device, the repository maintaining the job record after
25 the performance of the job, and filtering the job record to create filtered history of jobs associated with the client.

21. The system of claim 20 wherein the repository resides with a node selected from the group including the client and the device.

5 22. The system of claim 21 further comprising:
 a server having an interface to the client and the device, the server managing jobs sent to the device by the client; and,
 wherein the repository resides with a node selected from the group including the client, the device, and the server.

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15 23. The system of claim 20 wherein the repository resides with the client; and,
 wherein the client monitors processes selected from the group including the device status, job status, and communications to the device.

24. The system of claim 22 further comprising:
 a display having an interface for accessing a viewable copy of the filtered job record.

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25 25. The system of claim 24 wherein the display accesses a viewable copy of the filtered job obtained from a node selected from the group including the client and the server managing the device jobs.

25 26. The system of claim 25 further comprising:

a web page having an interface to receive job history
downloads from the repository residing with the device; and,
wherein the display accesses a viewable copy of the filtered
job obtained from a node selected from the group including the client, the
5 server managing the device jobs, and the web page.

27. The system of claim 21 wherein the repository resides
at least partially with the device; and,

10 the system further comprising:
a local memory residing with the client having an interface to
accept a download of the job record from the device repository.

28. The system of claim 21 wherein the client has a user
interface for interrupting a job sent to the device with an action selected
15 from the group including canceling a job, continuing a job, and modifying
a job.

29. The system of claim 22 wherein the client sends jobs to
the device along with a client network address; and,
20 wherein the repository resides with the device and filters the
job record by matching the client network address to jobs having the same
network address.

30. The system of claim 29 wherein the client sends a
25 network address selected from the group including a network address

embedded in transport layer transmission packets and a network address embedded with the job in data layer communications.

31. The system of claim 29 wherein the client sends the
5 client's Internet Protocol (IP) address as the network address.

32. The system of claim 29 further comprising:
a web page having an interface to receive job history
downloads from the repository residing with the device;
10 wherein the client makes an HTTP request to the web page
associated with the device; and,
wherein the repository sends a record of filtered jobs from the
device, to the web page for client access.

15 33. The system of claim 29 the system further comprising:
a local memory residing with the client having an interface to
accept a download of the job record from the repository.

20 34. The system of claim 33 wherein the client collects a
record of device communications, and merges the device communications
with a filtered job record in the local memory.

25 35. The system of claim 33 wherein the client collects a
record of client communications, and merges the client communications
with a filtered job record in the local memory.

36. The system of claim 32 wherein the device is an imaging device selected from the group including printers, copiers, fax machines, multifunctional peripheral (MFP) devices, scanners, electronic whiteboards, and document servers.

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37. The system of claim 36 wherein the client monitors device status, job status, and communications to the device selected from the group including:

- the status of job raster image processing (RIP);
- 10 the status of jobs queued on the image processing device;
- the status of jobs after they have been despooled from a node selected from the group including local and server spoolers;
- the status of jobs that have been completed by the imaging device; and,
- 15 the status of jobs spooled at a node selected from the group including local and server spoolers.

38. The system of claim 37 wherein the client has a user interface for interrupting a job sent to the imaging device with an action selected from the group including canceling a job, continuing a job, and modifying a job.

39. The method of claim 37 wherein the local memory residing with the client accept a filtered job record download from the device repository.

40. The method of claim 27 wherein the local memory residing with the client accept a unfiltered job record download from the device repository and the client filters to job record to obtain a client-specific job record.

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